

In the claims:

Please substitute the following full listing of claims for the claims as originally filed or most recently amended.

1. (Original) An arrangement for positioning an object relative to a surface comprising
 - a clamp structure,
 - a first actuator for applying a first clamping force to said object,
 - means for producing a signal corresponding to acceleration of an assembly of said object and said surface, and
 - a second actuator for applying a second clamping force to said object responsive to said means for producing a signal corresponding to said acceleration.
2. (Original) An arrangement as recited in claim 1 wherein said first actuator is a passive actuator.
3. (Original) An arrangement as recited in claim 1 wherein said second actuator is a dynamic actuator.
4. (Original) An arrangement as recited in claim 2 wherein said second actuator is a dynamic actuator.
5. (Original) An arrangement as recited in claim 2, wherein said first force is a static force.
6. (Original) An arrangement as recited in claim 5, wherein said static force is sufficient to prevent relative motion of said object and said surface under an acceleration of at least 1G.
7. (Original) An arrangement as recited in claim 1, wherein said means for producing a signal corresponding to acceleration is an acceleration measurement device.
8. (Original) An arrangement as recited in claim 7, wherein said acceleration measurement device is an accelerometer.

9. (Original) An arrangement as recited in claim 1, wherein said means for producing a signal corresponding to acceleration is a motion control system.

10. (Original) An arrangement as recited in claim 1, wherein said second force is proportional to said acceleration.

11. (Original) An arrangement as recited in claim 1, further comprising a lever driven by one of said first actuator and said second actuator.

12. (Original) An arrangement as recited in claim 1, further comprising a plunger driven by one of said first actuator and said second actuator.

13. (Original) An arrangement as recited in claim 1, further comprising a flexure having multiple degrees of freedom associated with one of said first and second actuators.

14. (Original) An arrangement as recited in claim 1, further comprising means for moving said clamp structure along said surface into and out of engagement with said object.

15. (Original) An arrangement as recited in claim 1, wherein said clamp structure further comprises a vacuum hold-down arrangement.

16 - 30. (Cancelled)